

**ABSTRACT**

The present invention concerns a coating composition for the formation of an inorganic layer on the surface of a substrate, comprising at least

- an efficient amount of photocatalytic titanium dioxide particles,
- an opacifying agent,
- particles of an inorganic binder,
- an organic binder, and
- a solvent,

wherein said organic binder and photocatalytic titanium dioxide particles are present in a weight ratio, photocatalytic titanium dioxide/organic binder ranging from 0.1 to 6.